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Docket No.: 12810-00252-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Thomas Ehrhardt et al.

Application No.: National Phase of
PCT/EP2004/013555

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: CLP-PROTEASE AS TARGET FOR
HERBICIDES

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Of the documents listed on the attached SB/08 are the documents cited in an International Search Report during the prosecution of international application no. PCT/EP2004/013555, which corresponds to the above referenced application. In accordance with 37 CFR 1.97(b)(2), Applicants hereby submit these documents for the Examiner's consideration. A copy of each document required under 37 CFR 1.98(a)(2) is enclosed.

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In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such. Moreover, Applicants understand the Examiner will make an independent evaluation of the cited documents.

Applicants believe no fee is due with this response. However, if a fee is due, the Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 12810-00252-US from which the undersigned is authorized to draw.

Respectfully submitted,

By 
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PTO/SB/08a/b (07-05)

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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	National Phase of PCT/EP2004/013555 <i>10751295</i>
				Filing Date	Concurrently Herewith
				First Named Inventor	Thomas Ehrhardt
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	12810-00252-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number-Kind Code ⁴ (if known)	MM-DD-YYYY		
BA	WO-03/008440 A2	01-30-2003	Syngenta Participations AG		

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	CA	HEINE, Harold W., et al., "The Isomerization of Aziridine Derivatives. VI. The Rearrangement of Some 2-(1-Aziridinyl)quinoxalines", Journal of Organic Chemistry 27 (1962), pp. 2943-2944.			
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	CC	NAKABAYASHI, K., et al., "Arabidopsis thaliana mRNA for nClpP5 (nuclear encoded ClpP5), complete cds.", Database EMBL, Accession No. AB022330, 07/04/1999.			
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	CH	NAKABAYASHI, K., et al., "NCLPP2 (F5O11.13)(Similar to nClpP2 dbjIBAA82066.1)", Database UniProt, Accession No. Q9XJ36, 11/01/1999.			
	CI	ADAM, ZACH, et al., "Chloroplast and Mitochondrial Proteases in Arabidopsis. A Proposed Nomenclature", Plant Physiology 125 (2001), pp. 1912-1918.			
	CJ	CLARKE, ADRIAN K., et al., "Inactivation of the clpP1 Gene for the Proteolytic Subunit of the ATP-dependent Clp Protease in the Cyanobacterium <i>Synechococcus</i> Limits Growth and Light Acclimation", Plant Molecular Biology 37 (1998), pp. 791-801.			

Examiner Signature		Date Considered	
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				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	12810-00252-US

CK	HUANG, CHANGZHI, et al., "The <i>Chlamydomonas</i> Chloroplast <i>clpP</i> Gene Contains Translated Large Insertion Sequences and is Essential for Cell Growth", <i>Mol Gen Genet</i> 244 (1994), pp. 151-159.	
CL	KOTANI, HIROKAZU, et al., "Structure Analysis of <i>Arabidopsis thaliana</i> Chromosome 5. II. Sequence Features of the Regions of 1,044,062 bp Covered by Thirteen Physically Assigned P1 Clones", <i>DNA Research</i> 4 (1997), pp. 291-300.	
CM	NAKABAYASHI, KAZUMI, et al., "Identification of <i>clp</i> Genes Expressed in Senescing <i>Arabidopsis</i> Leaves", <i>Plant Cell Physiol.</i> 40(5)(1999), pp. 504-514.	
CN	MAJERAN, WOJCIECH, et al., "The Light Sensitivity of ATP synthase Mutants of <i>Chlamydomonas reinhardtii</i> ", <i>Plant Physiology</i> 126 (2001), pp. 421-433.	
CO	PORANKIEWICZ, JOANNA, et al., "New Insights into the ATP-dependent Clp protease: <i>Escherichia coli</i> and Beyond", <i>Molecular Microbiology</i> 32(3)(1999), pp. 449-458.	
CP	ERICKSON, ROBIN L., et al., "p300 Coactivates the Adipogenic Transcription Factor CCAAT/Enhancer-binding Protein α ", <i>The Journal of Biological Chemistry</i> , 276 (19)(2001), pp. 16348-16355.	
CQ	HALPERIN, TAMI, et al., "ATP-Dependent Association Between Subunits of Clp Protease in pea Chloroplasts", <i>Planta</i> 213 (2001), pp. 614-619.	
CR	SHIKANAI, TOSHIHARU, et al., "The Chloroplast <i>clpP</i> Gene, Encoding a Proteolytic Subunit of ATP-Dependent Protease, is Indispensable for Chloroplast Development in Tobacco", <i>Plant Cell Physiol.</i> 42 (3)(2001), pp. 264-273.	

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